

| | | | |
|---------------------------|---------------|----------------------|----------|
| QUERY CONTROL FORM | | RTIS USE ONLY | |
| Application No. | 09505389 | Prepared by | m Shultz |
| Examiner-GAU | Anthony -1714 | Date | 4-12 |
| | | No. of queries | 1 |
| | | | RTIS |

| JACKET | | | |
|----------------------|------------------------|--------------------|----------------|
| a. Serial No. | f. Foreign Priority | k. Print Claim(s) | p. PTO-1449 |
| b. Applicant(s) | g. Disclaimer | l. Print Fig. | q. PTOL-85b |
| c. Continuing Data | h. Microfiche Appendix | m. Searched Column | r. Abstract |
| d. PCT | i. Title | n. PTO-270/328 | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed | o. PTO-892 | t. Other |

| | |
|----------------------|-----------------------------|
| SPECIFICATION | MESSAGE |
| | Please Advise |
| | Claim 4 depends upon itself |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| CLAIMS | MESSAGE |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| RESPONSE | MESSAGE |
| | Thank you |
| | initials MS |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

initials JBF

selected from the group consisting of compounds represented by the formulas 1 to 4 and including secondary particles with a size of 10 to 30 μm , the secondary particle being prepared by gathering primary particles with a size of 1 to 5 μm ;

5 coating the powder with a metallic alkoxide solution or a metal aqueous
solution to make an metal alkoxide or metal hydrate-coated powder; and

heat-treating the metal alkoxide or metal hydrate-coated powder such that the metallic alkoxide or metal hydrate-coated powder is converted into a metallic oxide-coated powder.

LiCoA₂ (1)

$$\text{LiCoO}_{2-x}\text{B}_x \quad (2)$$

$$\text{LiCo}_{1-x}\text{M}_x\text{A}_2 \quad (3)$$

$$\text{LiCo}_{1-x}\text{M}_x\text{O}_{2-y}\text{B}_y \quad (4)$$

where A is selected from the group consisting of O, S, F and P.

15 B is selected from the group consisting of S, F and P,

M is a transition metal selected from the group consisting of Al, Mg, Cr; n; a transition metal selected from the group consisting of Cr and Mn; Sr; lanide metal selected from La or Ce;

$$0 < x < 1 \text{ and } 0 < y < 1.$$

4. The method of claim 3, wherein the heat-treating step is performed at 300 to 800°C under an air or oxygen atmosphere.